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### 1 [Component-based development of Web-enabled eHome services](#)

Michael Kirchhof, Sebastian Linz

September 2005 Personal and Ubiquitous Computing. Volume 9 Issue 5

Publisher: Springer-Verlag

 Full text available: pdf(383.63 KB) Additional Information: [full citation](#), [abstract](#)

In this paper we will take a look at the inside of connected homes, which build up complex IT systems. The building blocks of such systems are electronic devices, networks, and *services*, which empower the user to interact with his environment. ...

**Keywords:** Component-based development, OSGi, PowerArchitecture, Software engineering, eHome

### 2 [Supporting service discovery, querying and interaction in ubiquitous computing environments](#)

Adrian Friday, Nigel Davies, Elaine Catterall

May 2001 MobiDe '01: Proceedings of the 2nd ACM international workshop on Data engineering for wireless and mobile access

Publisher: ACM

 Full text available: pdf(60.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Future computing environments will consist of a wide range of network based appliances, applications and services interconnected using both wired and wireless networks. In order to encourage the development of applications in such environments and remove ...

**Keywords:** Mobile and ubiquitous computing, middleware, service discovery, service interaction

### 3 [On the use of mobile tools in everyday life](#)

Jason Pascoe, Kirsten Thomson

November 2007 OZCHI '07: Proceedings of the 2007 conference of the computer-human interaction special interest group (CHISIG) of Australia on Computer-human interaction: design: activities, artifacts and environments

Publisher: ACM

 Full text available: pdf(113.28 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper explores how mobile tools are used in everyday life and investigates the issues surrounding their usage, or indeed, their *lack* of

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usage. Personal computers support us in a wide range of our desk-bound activities, but there is still ...

Keywords: Smartwatch, barriers-to-use, context-aware, diary study, mobile, mobility, pervasive, ubicomp, ubiquitous computing, usability, user centred design, user study, wearable, wrist-worn

#### 4 [Networked appliances in home entertainment](#)

Madjid Merabti

December 2006 CyberGames '06: Proceedings of the 2006 international conference on Game research and development

Publisher: Murdoch University

Full text available:  [pdf\(577.30 KB\)](#) [Additional Information: full citation, abstract, references, index terms](#)

In recent years, advances in multimedia applications, services and intelligent networked appliances have been making ubiquitous home environments a reality. As broadband becomes part of our household infrastructure, in the same way we receive water, ...

Keywords: dynamic service composition, home networking, interoperability, multimedia services, networked appliances, service descriptions, ubiquitous computing

#### 5 [A call for the home media network](#)





Gordon Bell, Jim Gemmell

July 2002 Communications of the ACM, Volume 45 Issue 7

Publisher: ACM

[Additional Information: full citation,](#)

Full text available:  [pdf\(283.51 KB\)](#)  [html\(26.70 KB\)](#) [abstract, references, cited by, index terms](#)

"The best way to predict the future is to invent it."---Alan Kay "...or at least posit a vision for others to build."---The authors


#### 6 [Computer graphics in Germany](#)



Alain Chesnais, Jose Encarnação, Dietmar Saupe, Marc Alexa

August 2001 ACM SIGGRAPH Computer Graphics, Volume 35 Issue 3

Publisher: ACM

Full text available:  [pdf\(1.21 MB\)](#) [Additional Information: full citation, references](#)

#### 7 [Designing the world as your palette](#)



Kimiko Ryokai, Stefan Marti, Hiroshi Ishii

April 2005 CHI '05: CHI '05 extended abstracts on Human factors in computing systems

Publisher: ACM

Full text available:  [pdf\(751.95 KB\)](#) [Additional Information: full citation, abstract, references, index terms](#)


"The World as your Palette" is our ongoing effort to design and develop tools to allow artists to create visual art projects with elements (specifically, the color, texture, and moving patterns) extracted directly from their personal objects and their ...

**Keywords:** children, drawing, human-centered design, interaction design, storytelling, tangible user interfaces, usability research, user experience, user interface design, user research, user-centered design, visual design

8 [Supporting service discovery, querying and interaction in ubiquitous computing environments](#)

Adrian Friday, Nigel Davies, Nat Wallbank, Elaine Catterall, Stephen Pink  
November 2004 *Wireless Networks*. Volume 10 Issue 6  
Publisher: Kluwer Academic Publishers

**Additional Information:** full citation, abstract,

Full text available:  [pdf\(209.21 KB\)](#)

references, cited by, index  
terms

In this paper, we contend that ubiquitous computing environments will be highly heterogeneous, service rich domains. Moreover, future applications will consequently be required to interact with multiple, specialised service location and interaction protocols ...

**Keywords:** distributed systems, middleware, mobile and ubiquitous computing, service discovery, service interaction

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